

A method and apparatus for scheduling static and dynamic traffic through a switch fabric are described. The method comprises for each switch slice in a distributed switch fabric, scheduling static traffic by reserving time slots for transmission of the static traffic to at least one destination, and scheduling dynamic traffic so as not to be transmitting the dynamic traffic to the at least one destination during the reserved time slots. The apparatus implements the method and comprises a memory storing a schedule of static traffic, shifters storing dynamic traffic scheduling requests, and a grant scheduler.